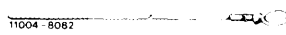


Special tools

Oil dipstick with millimeter scale for type 115.1  110 589 11 21 00

Oil dipstick with millimeter scale for type 123.1  115 589 15 21 00

Valve to stop oil return from air-cooled oil cooler  110 589 00 91 00

Temperature gauge  116 589 27 21 00

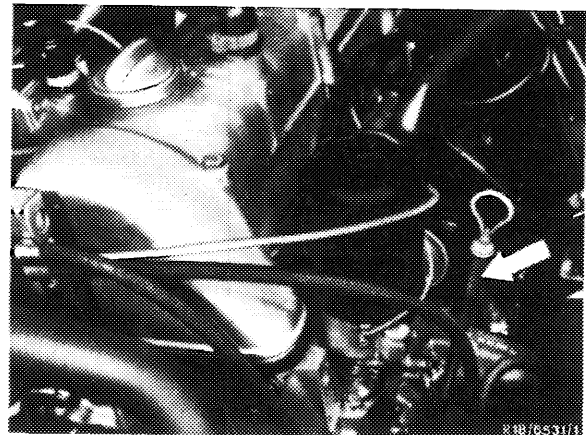
Note

The oil consumption can be measured using the oil dipstick with the millimeter scale as well as the accompanying diagram on the back of the recording chart.

Since there are two different oil dipsticks and different recording charts, please note the following points:

Oil dipstick as per part No. 110 589 11 21 00 (**blue handle**) is only to be used for engine having an oil dipstick tube without an **oil removal connection**, and oil dipstick as per part No. 115 589 15 21 00 (**red handle**) only for engines having an oil dipstick tube **designed for oil removal**.

Oil dipstick tube without oil removal connection

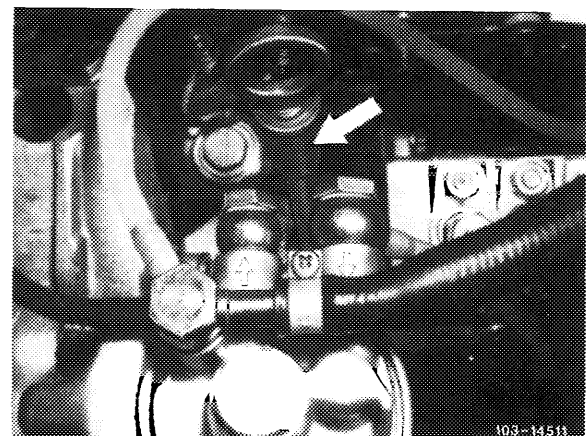


Recording charts for engines without oil removal connection (oil dipstick with blue handle)

German/English, publication No. 800 99 223 41 a
or 800 99 223 00 b

French/Spanish, publication No. 800 99 223 42 a
or 800 99 223 01 b

Oil dipstick tube with oil removal connection



Recording charts for engines with oil removal connection (oil dipstick with red handle)

German/English, publication No. 800 99 402 00

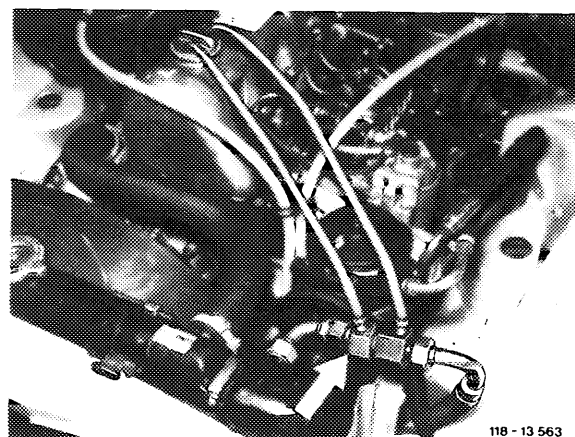
French/Spanish, publication No. 800 99 402 01

The recording charts that go with each particular type of oil dipstick can be identified by the engine designations at the top of the recording chart.

For engine models 616, 617 in type 115.1 and model 617 in type 123.1, it is necessary to fit the check valve between the air-cooled oil cooler and upper oil hose so that the oil will not run back out of the oil cooler during the measurement.

Should the check valve not fit for lack of space, it is to be inserted with the aid of a pipe bend and connecting pipe.

View showing engine 617



Prior to measuring consumption, remember to vent air-cooled oil cooler.

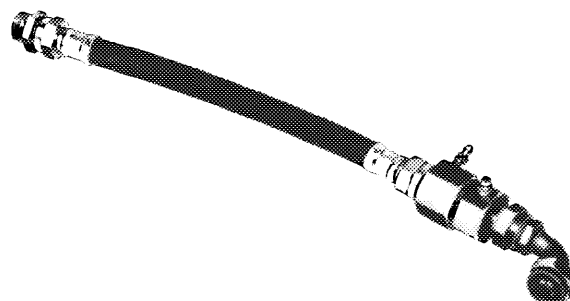
To do so, clip two transparent plastic hoses onto the vent plugs attached to the check valve. Remove filler cap from valve cover and push both hoses into the filler hole.

Caution:

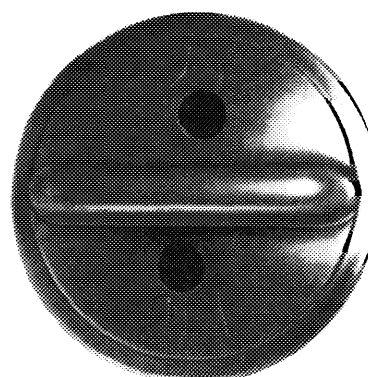
To avoid oil ejection you are recommended to use a filler cap having two holes (outside diameter of hoses).

The procedure needed for the consumption measurement is described on the front of the recording chart.

In order to avoid incorrect readings, check engine oil for fuel dilution prior to commencing.



118-9657



105-9690